

This listing of claims will replace all previous claim listings:

Listing of Claims:

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (previously presented) In an automatic stainer for staining specimens that are arranged on specimen slides and embedded in a medium, said stainer comprising a plurality of reagent containers arranged one after another to successively receive said specimen slides for treating said specimens, a plurality of transport baskets each carrying one or more of said specimen slides such that said plurality of transport baskets can be received simultaneously each in a different one of said plurality of reagent containers, a motorized transport mechanism having a lifting device for simultaneously lifting said plurality of transport baskets out of said reagent containers and transporting said plurality of transport baskets into successive reagent containers, the improvement comprising:
a heating station arranged before said plurality of reagent containers for heating said specimen slides and melting said embedding medium, said heating station having at least two melting containers each for simultaneously receiving more than one of said plurality of transport baskets, said at least two melting containers arranged next to one another, and wherein said heating station further has a controller for adjusting the temperature in said at least two melting chambers, and the temperature in each of said two melting containers can be adjusted separately by way of said controller.
6. (previously presented) In an automatic stainer for staining specimens that are arranged on specimen slides and embedded in a medium, said stainer comprising a plurality of reagent containers arranged one after another to successively receive said specimen slides for treating said specimens, a plurality of transport baskets each carrying one or more of said specimen slides such that said plurality of transport baskets can be received simultaneously each in a different one of said plurality of reagent containers, a motorized transport mechanism having a lifting device for simultaneously lifting said plurality of transport baskets out of said reagent containers and transporting said plurality of transport baskets into successive reagent containers, the improvement comprising:
a heating station arranged before said plurality of reagent containers for heating said specimen slides and melting said embedding medium, said heating station having at least one melting container for simultaneously receiving more than one of said plurality of transport baskets, the improvement characterized in that said lifting device comprises two transport rails, arranged parallel to one another, which are each equipped with a transport notch in a region of

said plurality of reagent containers and with a sawtooth profile in a region of said heating station, whereby in said region of said plurality of reagent containers said plurality of transport baskets is transported into the next respective reagent containers with one transport stroke, and in said region of said heating station said plurality of transport baskets travel a shorter distance with the same transport stroke.

7. (original) The improvement as defined in Claim 6, wherein said heating station further comprises two support rails parallel to said transport rails, each of said support rails having a plurality of spaced grooves for supporting one of said plurality of transport baskets while said transport basket is received by said melting container.

8. (original) The improvement as defined in Claim 7, wherein the spacing between adjacent grooves of said support rails is half as great as the spacing between successively adjacent reagent containers.

9. (original) The improvement as defined in Claim 7, wherein said sawtooth profile of said transport rails is dimensioned such that in the region of said heating station each said transport basket is conveyed into the next adjacent groove of said support rails with one transport stroke.

10. (canceled)

11. (canceled)